

(57) Abstract

The present invention discloses a novel neurotrophic factor protein, MANF2 and a genetic sequence encoding the same. The molecule will be useful in the development of a range of
5 therapeutics and diagnostics useful in the treatment, prophylaxis and/or diagnosis of MANF2 dependent conditions. The molecule of the present invention is also a useful effector of primary and central neurons, especially dopaminergic neurons at the central nervous system and growth factor genes.